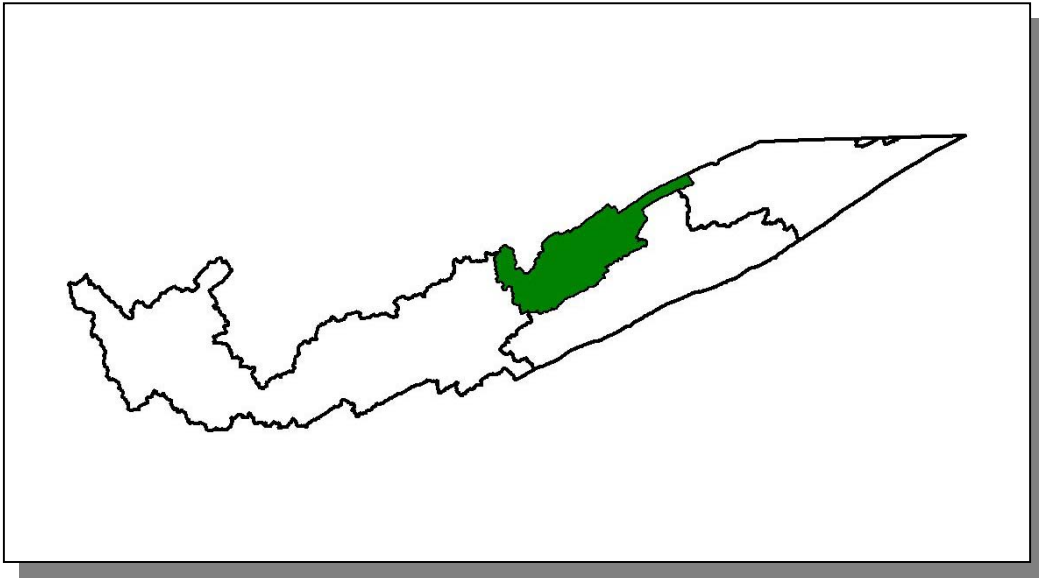
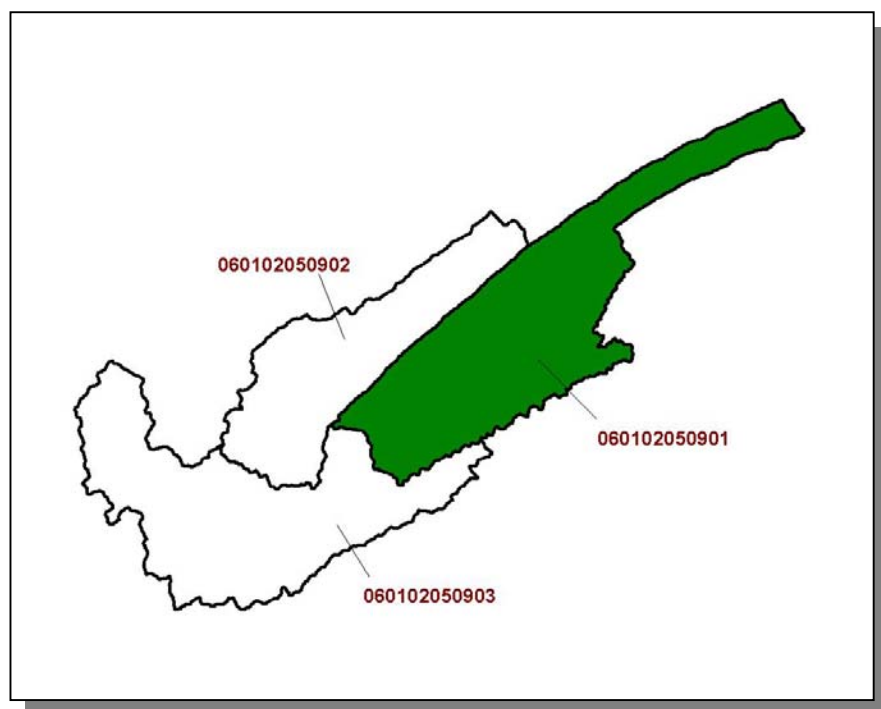


**4.2.E. 0601020509.**



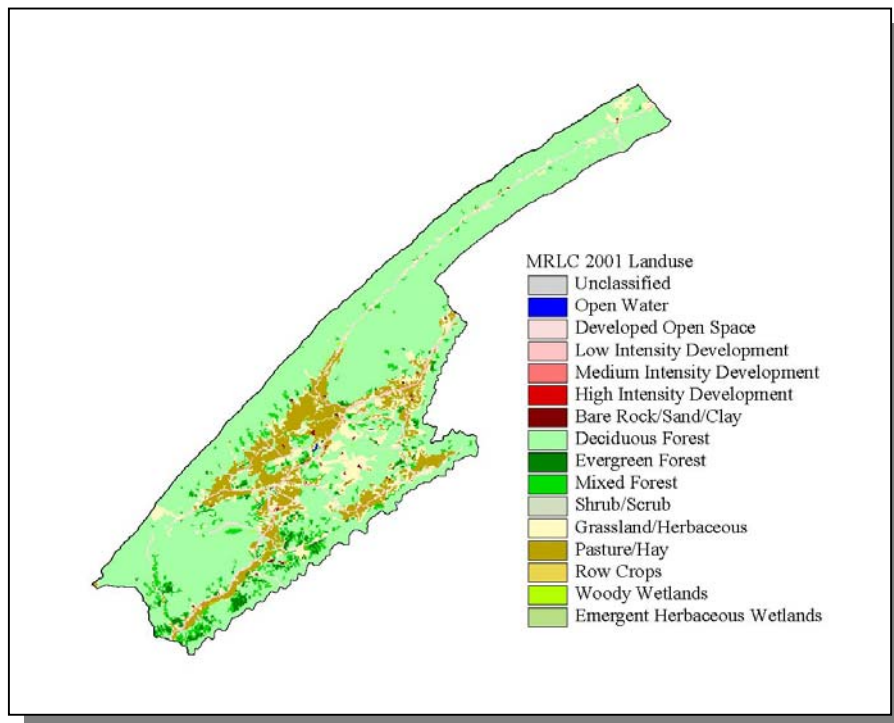
**Figure 4-129. Location of Subwatershed 0601020509.** All Upper Clinch River HUC-10 subwatershed boundaries are shown for reference.

**4.2.E.i.** 060102050901 (Big Sycamore Creek).

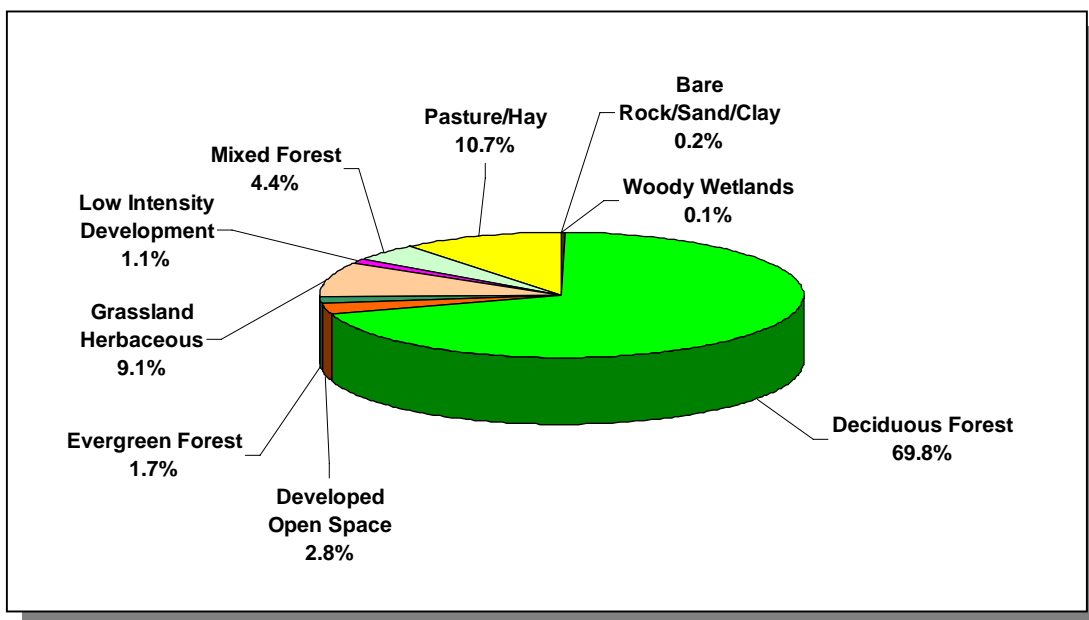


**Figure 4-130. Location of Subwatershed 060102050901.** All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

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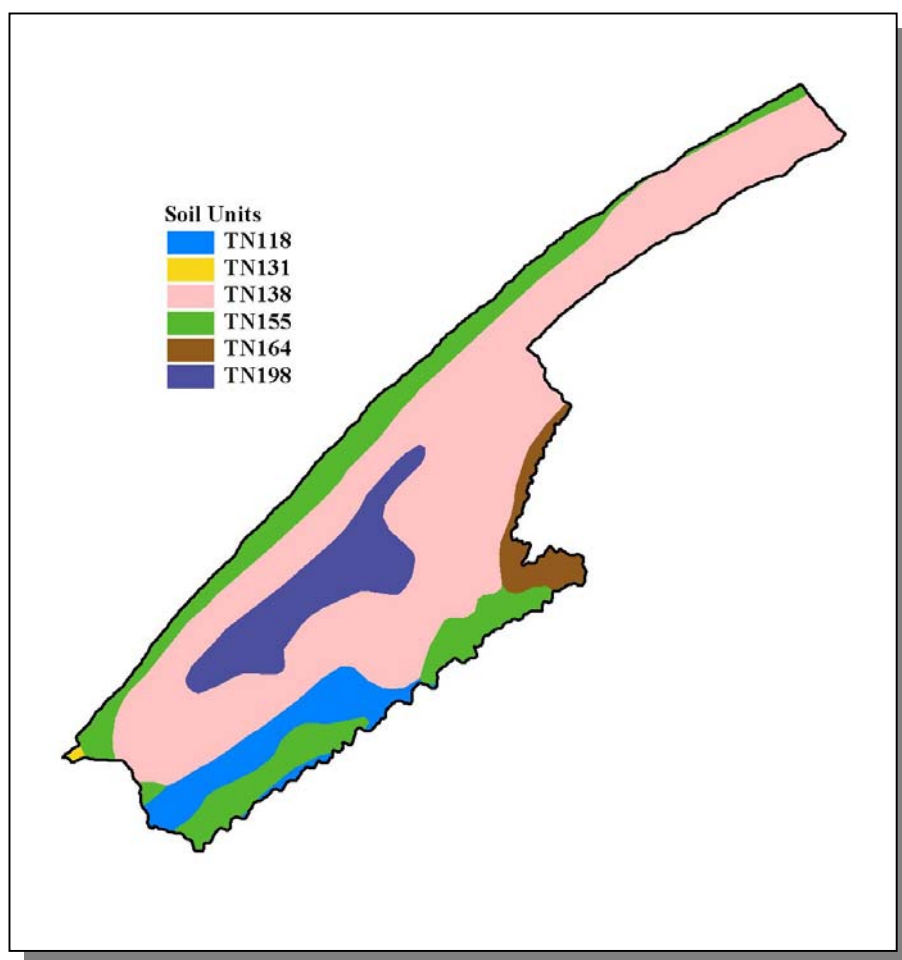


**Figure 4-131. Illustration of Land Use Distribution in Subwatershed 060102050901.**



**Figure 4-132. Land Use Distribution in Subwatershed 060102050901.** More information is provided in Appendix IV.

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**Figure 4-133. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050901.**

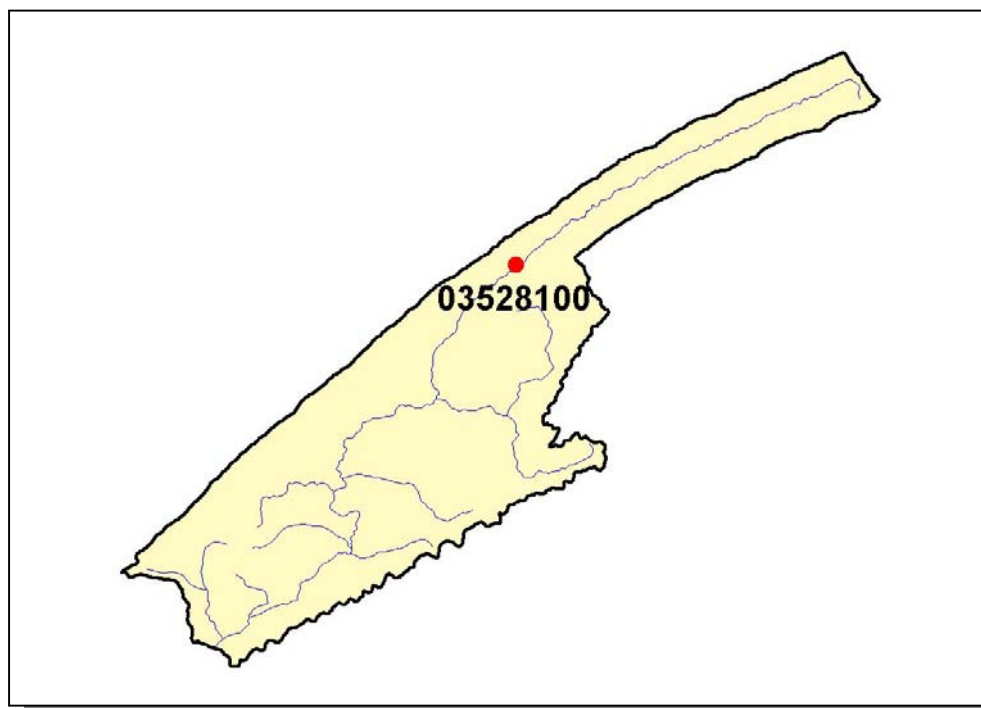
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN118	0.00	C	6.52	5.12	Loam	0.29
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN155	0.00	C	1.71	5.31	Loam	0.32
TN164	0.00	C	4.84	5.15	Loam	0.25
TN198	2.00	C	1.78	5.07	Silty Loam	0.39

**Table 4-123. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050901.** The definition of "Hydrologic Group" is provided in Appendix IV.

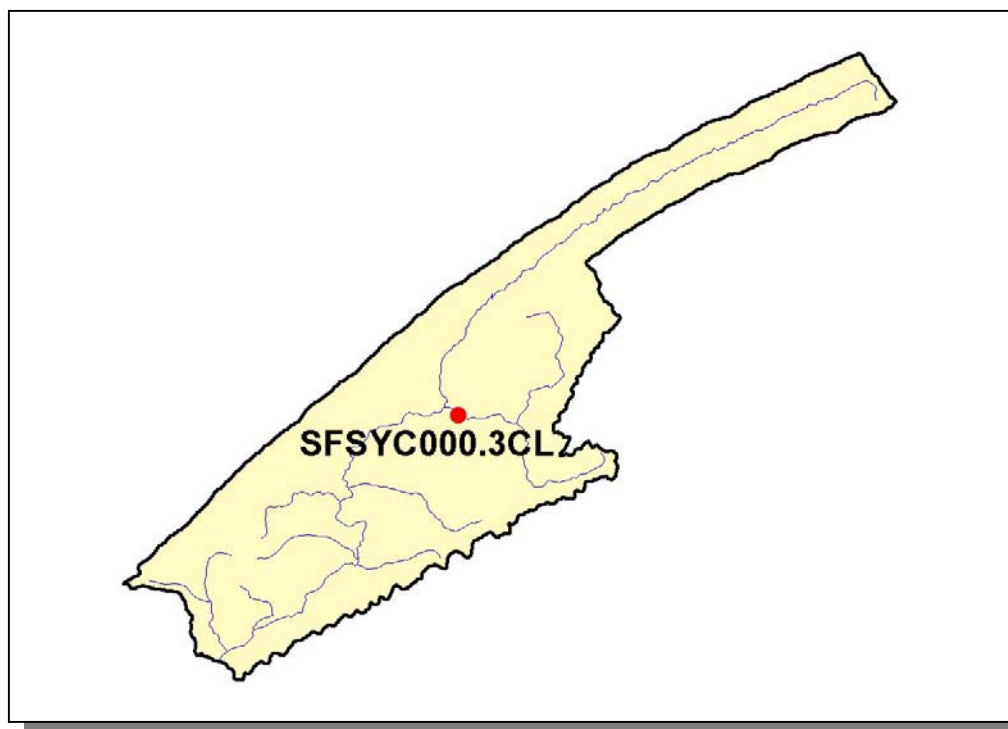
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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	4.98	1,301	1,441	1,486	14.2
Hancock	6,739	6,801	6,786	2.52	170	171	171	0.6
<b>Total</b>	<b>32,876</b>	<b>35,764</b>	<b>36,648</b>		<b>1,471</b>	<b>1,612</b>	<b>1,657</b>	<b>12.6</b>

*Table 4-124. Population Estimates in Subwatershed 060102050901.*



**Figure 4-134. Location of Historical Streamflow Data Collection Sites in Subwatershed 060102050901.** More information is provided in Appendix IV.



**Figure 4-135. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050901.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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**4.2.E.i.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.E.i.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
792	1,549	45	<5	7

**Table 4-125. Summary of Livestock Count Estimates in Subwatershed 060102050901.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Claiborne	18,697	36,566	1,082	420	0	165
Hancock	7,079	14,311	89	364	0	67

**Table 4-126. Summary of Livestock Count Estimates in Claiborne and Hancock Counties.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1
Hancock	92.9	92.9	2.7	14.2

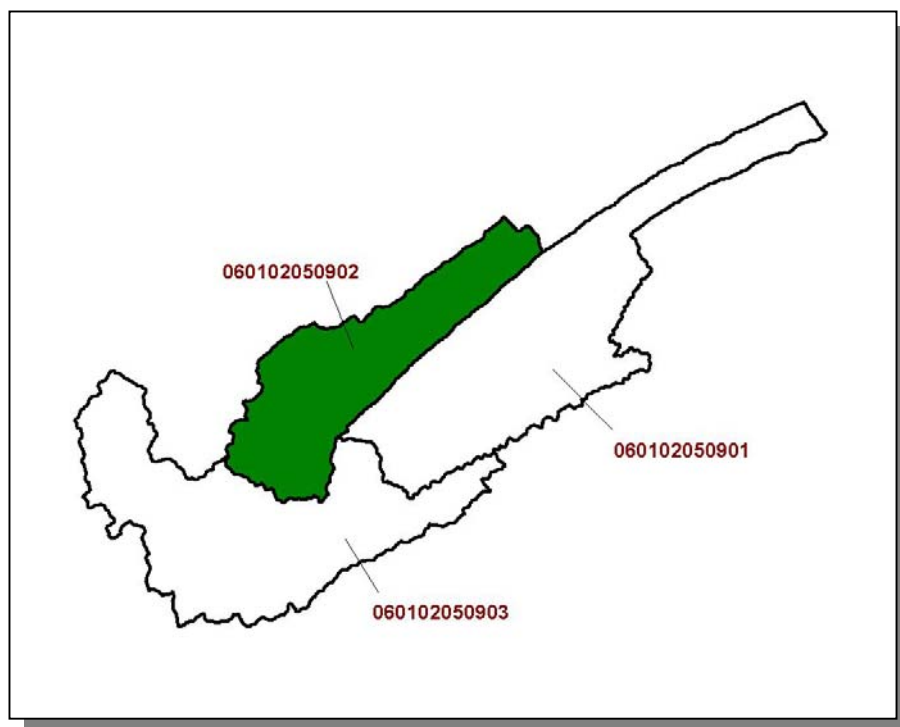
**Table 4-127. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne and Hancock Counties.**

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.80
Grass (Hayland)	0.66
Grass, Forbs, Legumes (Mixed Pasture)	0.26
Corn (Row Crops)	2.42
Tobacco (Row Crops)	23.03
Farmsteads and Ranch Headquarters	0.35

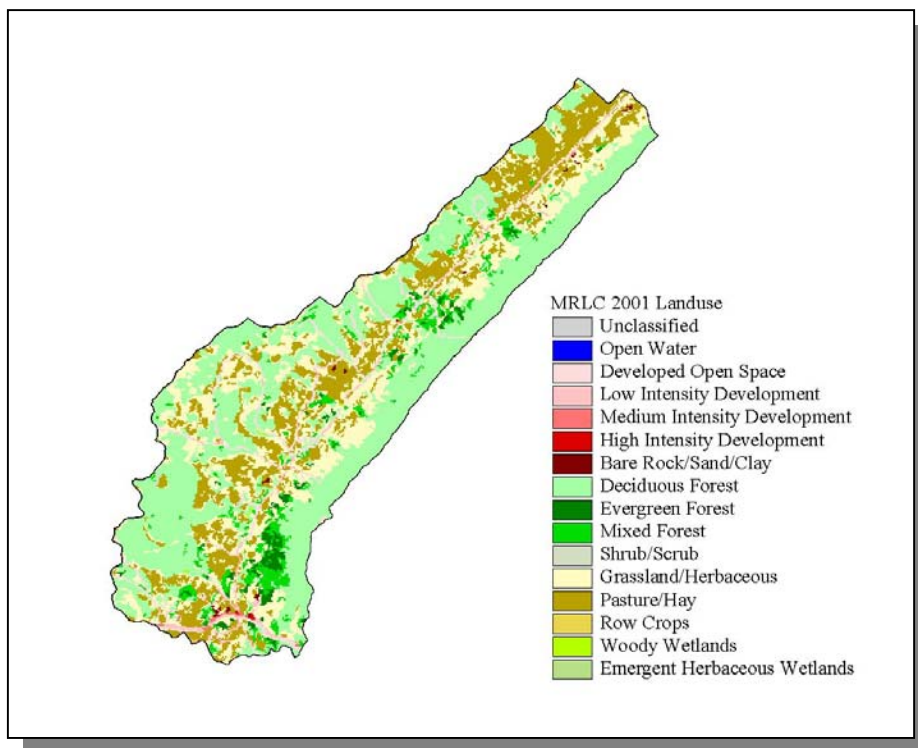
**Table 4-128. Annual Estimated Total Soil Loss in Subwatershed 060102050901.**



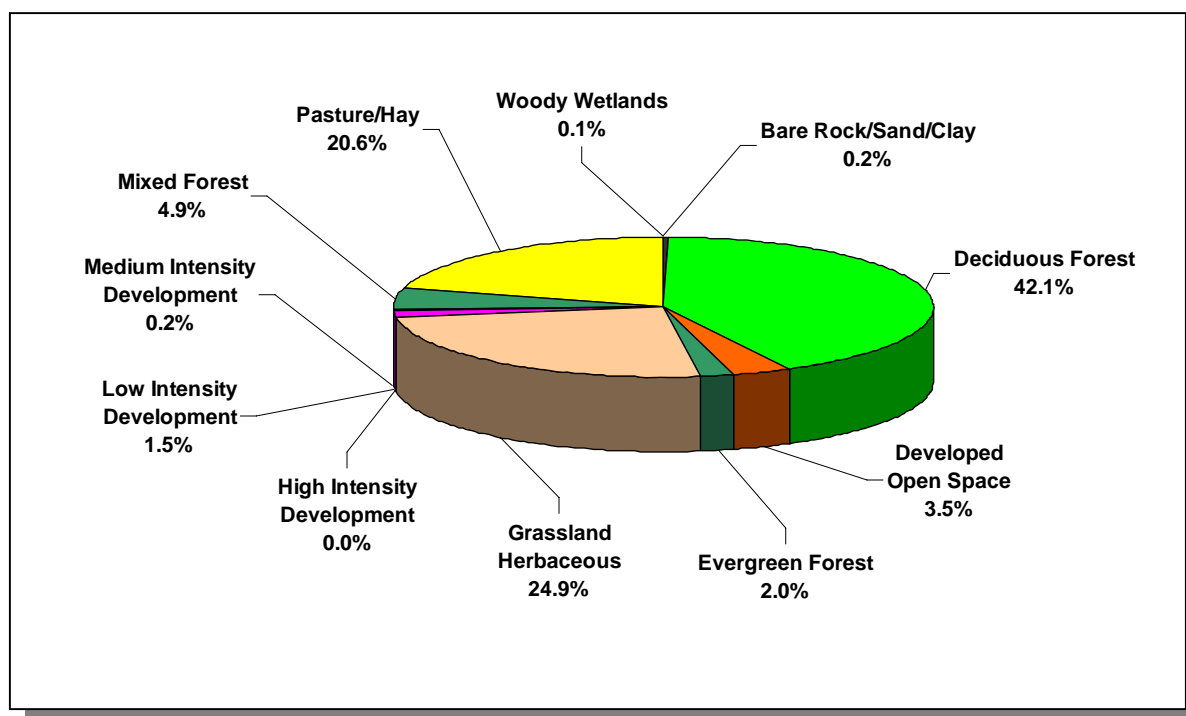
**4.2.E.ii.** 060102050902 (Little Sycamore Creek).



**Figure 4-136. Location of Subwatershed 060102050902.** All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

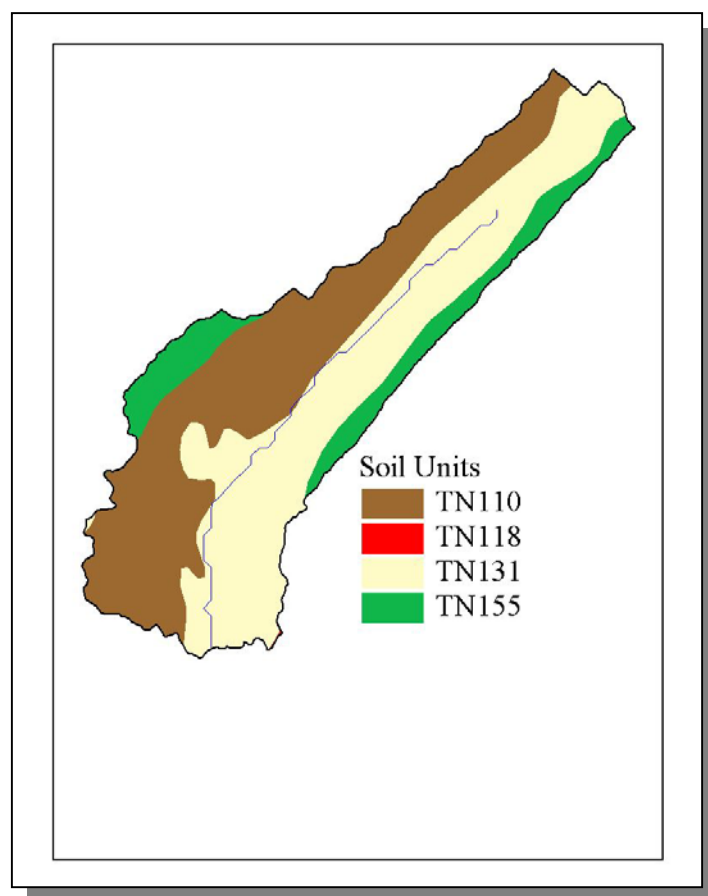


**Figure 4-137. Illustration of Land Use Distribution in Subwatershed 060102050902.**



**Figure 4-138. Land Use Distribution in Subwatershed 060102050902.** More information is provided in Appendix IV.

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**Figure 4-139. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050902.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN118	0.00	C	6.52	5.12	Loam	0.29
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN155	0.00	C	1.71	5.31	Loam	0.32

**Table 4-129. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050902.** The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	3.79	989	1,096	1,130	14.3

**Table 4-130. Population Estimates in Subwatershed 060102050902.**



**Figure 4-140. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050902.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

**4.2.E.ii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.E.ii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
1,118	2,187	65	<5	10

**Table 4-131. Summary of Livestock Count Estimates in Subwatershed 060102050902.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
Claiborne	18,697	36,566	1,082	420	165

**Table 4-132. Summary of Livestock Count Estimates in Claiborne County.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

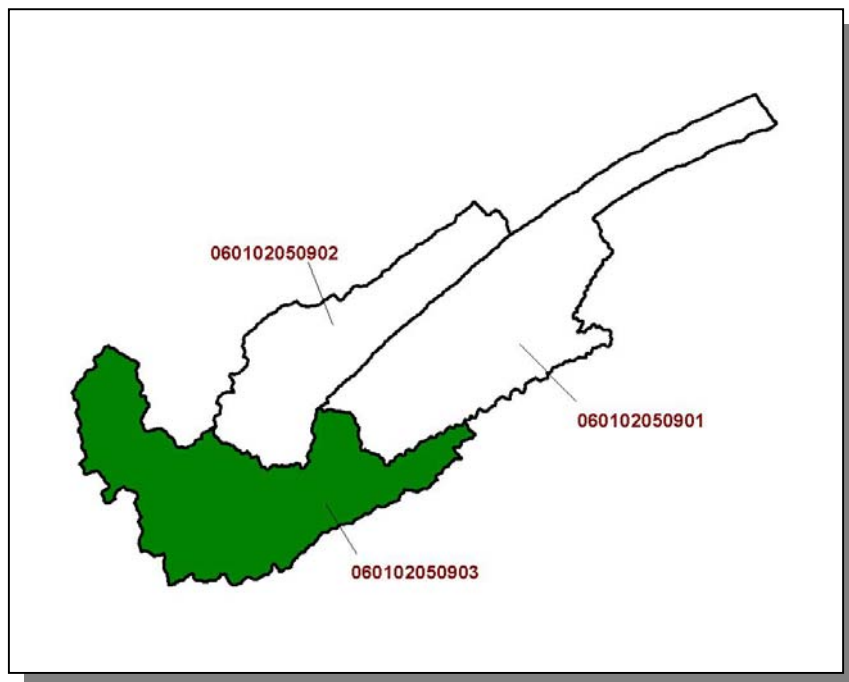
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1

**Table 4-133. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne County.**

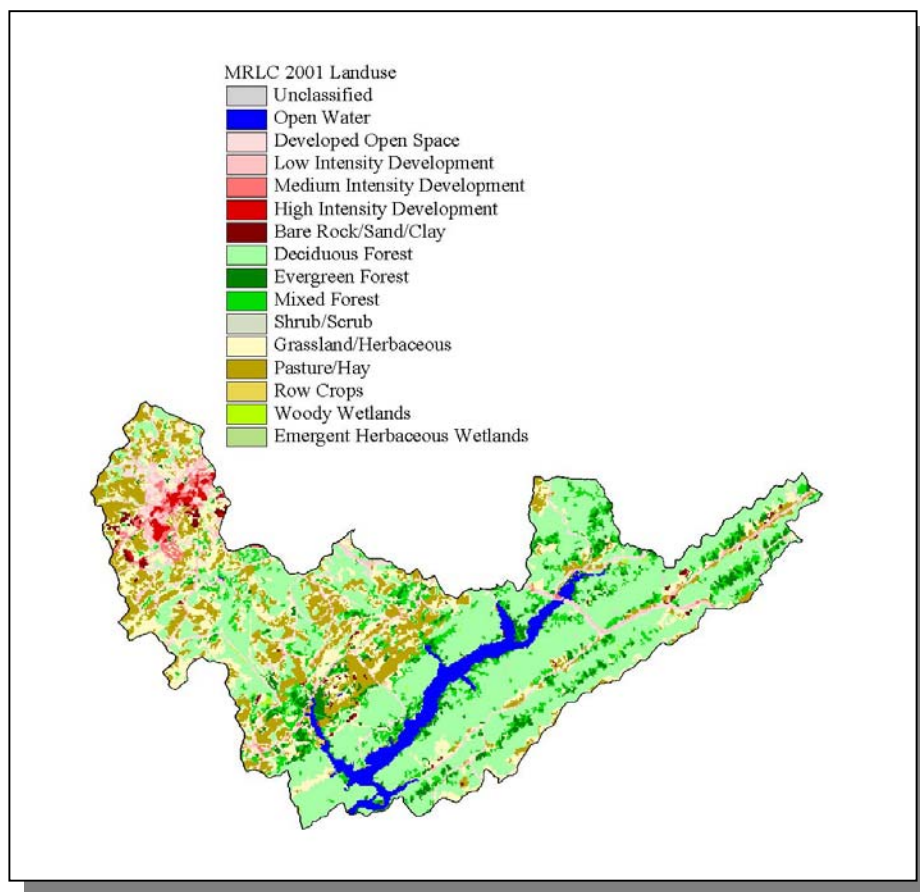
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.38
Grass, Forbs, Legumes (Mixed Pasture)	1.13
Farmsteads and Ranch Headquarters	0.43

**Table 4-134. Annual Estimated Total Soil Loss in Subwatershed 051302060902.**

**4.2.E.iii.** 060102050903 (Sycamore Creek).

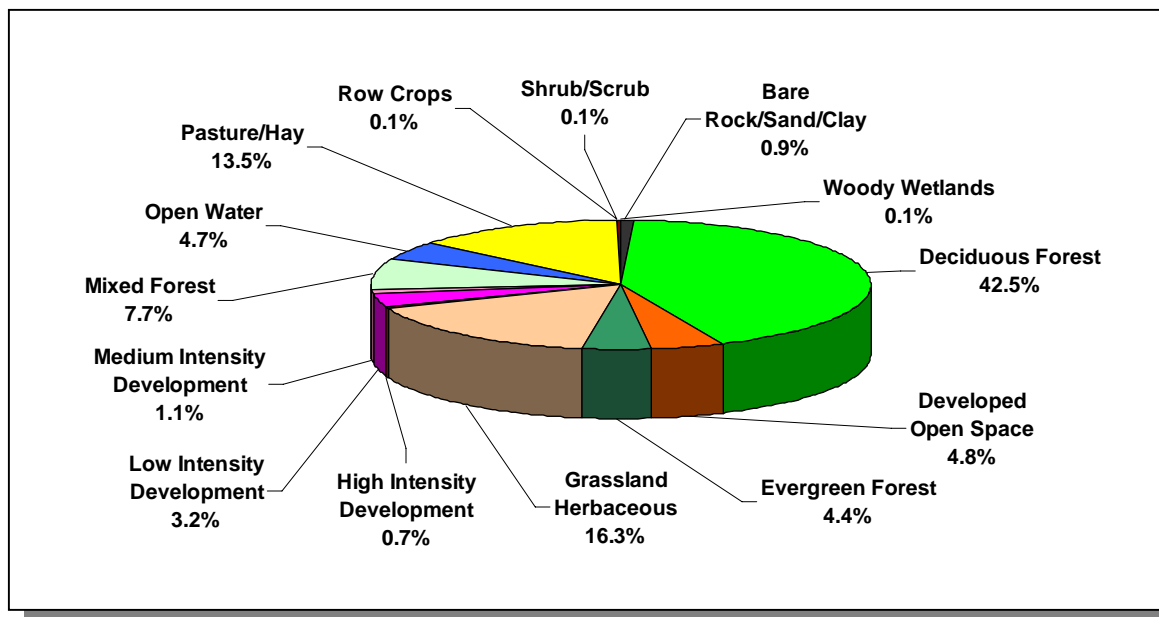


**Figure 4-141. Location of Subwatershed 060102050903.** All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



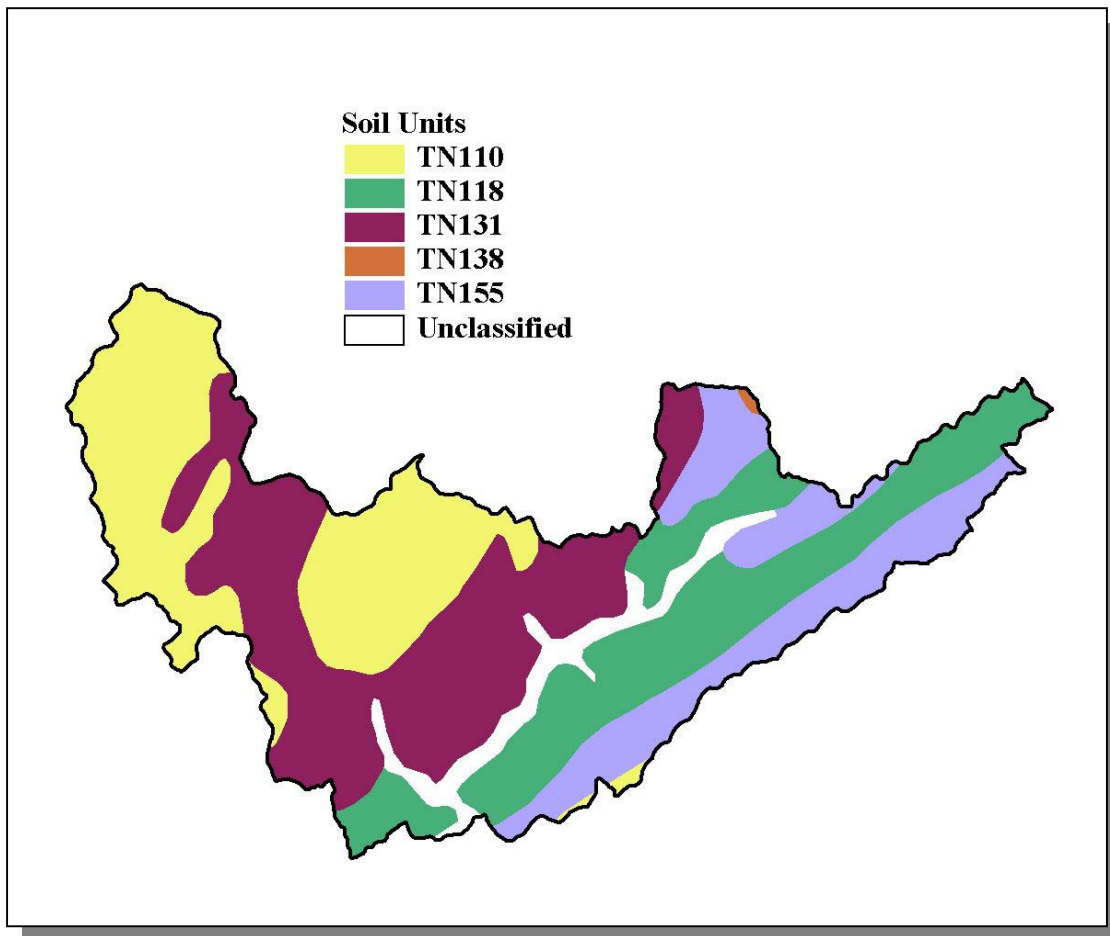
**Figure 4-142. Illustration of Land Use Distribution in Subwatershed 060102050903.**





**Figure 4-143. Land Use Distribution in Subwatershed 060102050903.** More information is provided in Appendix IV.

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**Figure 4-144. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050903.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN118	0.00	C	6.52	5.12	Loam	0.29
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN155	0.00	C	1.71	5.31	Loam	0.32

**Table 4-135. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050903.** The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	5.78	1,512	1,675	1,727	14.2

**Table 4-136. Population Estimates in Subwatershed 060102050903.**

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
New Tazewell	Claiborne	1,864	785	543	236	6
Tazewell	Claiborne	2,150	919	602	304	13
<b>Total</b>		<b>4,014</b>	<b>1,704</b>	<b>1,145</b>	<b>540</b>	<b>19</b>

**Table 4-137. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050903.**



**Figure 4-145. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050903.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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**4.2.E.iii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.E.iii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
1,128	2,207	65	<5	10

**Table 4-138. Summary of Livestock Count Estimates in Subwatershed 060102050903.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
Claiborne	18,697	36,566	1,082	420	165

**Table 4-139. Summary of Livestock Count Estimates in Claiborne County.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1

**Table 4-140. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne County.**

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.38
Grass, Forbs, Legumes (Mixed Pasture)	0.13
Farmsteads and Ranch Headquarters	0.43

**Table 4-141. Annual Estimated Total Soil Loss in Subwatershed 060102050903.**